APPLN FILING DATE: JULY 10, 2001
TITL PITTLE SEQUENCES SPECIFIC...T LYMPHOCY

SHEET 1 of 18



(5')	1	SDLEQERRAKEKLQEQQ
	18	SDLEQDRLAKEKLQEQQ
	35	SDLEQERLAKEKLQEQQ
	52	SDLEQERRAKEKLQEQQ
	69	SDLEQERRAKEKLQEQQ
•	86	SDLEQDRLAKEKLQEQQ
	103	SDLEQERRAKEKLQEQQ
	120	SDLEQERKAKEKLQEQQ
	137	SDLEQERLAKEKLQEQQ
	154	SDLEQERRAKEKLQEQQ
•	171	SDLEQERRAKEKLQEQQ
	188	SDLEQERRAKEKLQEQQ
	205	RDLEQ
	210	RKADTKKNLERKKEHGDILAEDLYGRLEIP
	240	AIELPSENERGYYIPHQSSLPQDNRGNSRD
	270	SKEISIIEKTNRESITTNVEGRRDIHKGHL
	200	EEVVOCSTUDEOVEDUS 316 (31)

TILING DATE: JULY 10, 2001 VENTOR(S): GUERIN-MARCHAND AND DRUILHE SHEET 2 of 18

AAAGCGATCTAGAACAAGAGACGTGCTAAAGAAAAGTTGCAAGAACAAC AAAGCGATCTAGAACAAGAGACGTGCTAAAGAAAGTTGCAAGAACAAC AAAGCGATTTAGAACAAGAGACGTGCTAAAGAAAAGTTGCAAGAACAAC AAAGCGATTTAGAACAAGATAGACTTGCTAAAGAAAAGTTACAAGAGCAGC AAAGCGATTTAGAACAAGAGACGTGCTAAAGAAAGTTGCAAGAACAAC AAAGCGATTTAGAACAAGAGACTTGCTAAAGAAAAGTTGCAAGAACAAC AAAGCGATTTAGAACAAGAGACGTGCTAAAGAAAGTTGCAAGAACAAC AAAGCGATTTAGAACAAGAGACGTGCTAAAGAAAGTTGCAAGAACAAC AAAGCGATTTAGAACAAGATAGACTTGCTAAAGAAAGTTACAAGAGCAGC AAAGCGATTTAGAACAAGAGACTTGCTAAAGAAAGTTGCAAGAACAAC AAAGCGATTTAGAACAAGAGACGTGCTAAAGAAAAGTTGCAAGAACAAC AAAGCGATTTAGAACAAGAGACGTGCTAAAGAAAGTTGCAAGAGCAGC **AAAGAGATTTAGAACAA** 409 205 256 358 460 307 562 613 511

AAAACAAATAGAGAATCTATTACAACAAATGTŤGAAGGACGAAGGGATATA

CATAAAGGACATCTTGAAGAAAGAAGATGGTTCAATAAAACCAGAACAA

950

AAAGAAGATAAATCT

CAGGACAACAGAGGGAATAGTAGAGATTCCAAGGAAATATCTATAATAGAA

783

CCATCAGAAAATGAACGTGGATATTATATACCACATCAATCTTCTTTACC

<u> AGGAAGGCTGATACGAAAAAAATTTAGAAAGAAAAAAGGAACATGGAGA</u> **ATATTAGCAGAGGATTTATATGGTCGTTTAGAAATACCAGCTATAGAACT**

630

681 732 APPLN ING DATE: JULY 10, 2001
TITLE: TIDE SEQUENCES SPECIFIC...T LYMPHOCYTI
INVENTOR(S): GUERIN-MARCHAND AND DRUILHE
APPLICATION SERIAL NO: 010830-118 SHEET 3 of 18

RDELFNELLNSVDVNGEVKENILEESQVNDDIFNSLVKSVQQEQQ HNVEEKVEESVEENDEESVEENVEENVEENDDGSVASSVEESI ASSVDESIDSSIEENVAPTVEEIVAPTVEEIVAPSVVEKCAPSVE ESVAPSVEESVAEMLKER

APPLN SLING DATE: JULY 10, 2001
TITLE TIDE SEQUENCES SPECIFIC...T LYMPHOCY
INVENTOR(S): GUERIN-MARCHAND AND DRUILHE

APPLICATION SERIAL NO: 010830-118 SHEET 4 of 18

TTA AAT AGT GTA GAT AAA AAA AAA ACG ATG AAG TAG AAG GAT 67T 6AG CAC AAG ACG TTG TTG

APPLN. FILING DATE: JULY 10, 2001
TITLE: PIECE E SEQUENCES SPECIFIC...T LYMPHOCYTES INVENTOR(S): GUERIN-MARCHAND AND DRUILHE
APPLICATION SERIAL NO: 010830-118 SHEET 5 of

7295-NRII 7295-Rep

VEKCAPSVEESVAPSVEESVAEMLKER EESQVNDDIFSNSLVKSVQQEQQHNV DELFNELLNSVDVNGEVKENILEESQ

729S-NRI

SHEET 5 of 18

NSRDSKEISIIEKTNRESITTNVEGRRDIHK

LSA-TER

APPLN. Pring Date: July 10, 2001

TITLE: TIDE SEQUENCES SPECIFIC...T LYMPHOCYT

INVENTOR(S): GUERIN-MARCHAND AND DRUILHE

APPLICATION SERIAL NO: 010830-118 SHEET 6 of 18

<u>ー</u> シ

NUCLEOTIDE SEQUENCE OF THE LSA GENE 5' END

(NON-CODING 5' END)

1 AAAGTATACATCTTCCTTCTTTACTTCTTAAA

(CODING 5' END, UNIQUE)

- 33 ATGAAACATATTTTGTACATATCATTTTACTTTATCCTTGTTAATTTATTG
- 84 ATATTTCATATAAATGGAAAGATAATAAAGAATTCTGAAAAAGATGAAATCA
- 135 TAAAATCTAACTTGAGAAGTGGTTCTTCAAATTCTAGGAATCGAATAAATGA
- 186 GGAAAATCACGAGAAGAAACACGTTTTATCTCATAATTCATATGAGAAAACT
- 237 AAAAATAATGAAAATAATAAATTTTTCGATAAGGATAAAGAGTTAACGATGT
- 288 CTAATGTAAAAATGTGTCACAAACAAATTTCAAAAGTCTTTTAAGAAATCT

- 441 AAGGGCAAGACGAAAACAGACAAGAAGATCTTGAAGAAAAAGCA

(CODING 5' END, repetitive)

- 492 GCTAAAGAAAAGTTACAGGGGCAACAAAGCGATTCAGAACAAGAGAGACGT
- 543 GCTAAAGAAAAGTTGCAAGAACAACAAAGCGATTTAGAACAAGAGAGACTT
- 594 GCTAAAGAAAAGTTGCAAGAACAACAAAGCGATTTAGAACAAGAGAGACGT
- 645 GCTAAAGAAAGTTGCAAGAACAACAAAGCGATTTAGAACAAGAGAGACTT
- 696 GCTAAAGAAAGTTGCAAGAACAACAAAGCGATTTAGAACAAGAGAGACGT
- 747 GCTAAAGAAAAGTTGCAAGAACAACAAAGCGATTTAGAACAAGAGAGACGT
- 798 GCTAAAGAAAGTTGCAAGAACAACAAAGCGATTTAGAACAAGAGAGACAC<u>T</u>T
- 849 GCTAAAGAAAAGTTACAAGAGCAGCAAAGCGATTTAGAACAAGATAGACTT
- 900 GCTAAAGAAAAGTTGCAAGAACAACAAAGCGATTTAGAACAAGAGAGACGT
- 951 GCTAAAGAAAGGTTGCAAGAACAACAAAGCGATTTAGA 988

APPLN. FILING DATE: JULY 10, 2001
TITLE: SPTIDE SEQUENCES SPECIFIC...T LYMPHOCYT
INVENUES: GUERIN-MARCHAND AND DRUILHE
APPLICATION SERIAL NO: 010830-118
SHEET 7 of 18

LSA.5'/ATG - -> 1-phase Translation

linear b.p. ATGAAACATATT ... AAGCGATTTAGA 926 sednence DNA

CAT his AGA arg AAG lys CTT GAA glu GTT val AAA AGT lys ser GAT asp AAG lys CAC his TTT phe TTG leu AAT AACasn AAA lys ATA ile TTC phe TTA leu TTG leu TCT AAG 1ys TTC phe TTT phe AAA lys GAG glu AAA lys AAT asn AAA lys len AAT asn ACA thr AAT asn ATA ile AAT asn CAC his GAA AAT g glu asn GAA glu CAA gln AAT asn ATC ile GTT val GAA glu GAA glu TCA ser AAA 1ys len GAT asp AAT asn ile GTG val GAG glu CTT AAA lys AAT asn AAT asn phe AAT asn TTC phe tyr GAA gglu 51 ATA AAA 1ys 91 111 C ATA TCA TTT T. phe 31 TCT ser / CGA arg / ACT thr / GTA val / AAT asn 151 AAT 211 211 AAA AAT asn 331 AAG lys AGG arg GAG glu ser ser TAC tyr ATA ile ATG met TAT tyr TCT ser GTT val ATA TTG leu AAT asn TCA ser ACG thr **GGT** gly TCA ATT ile AAG lys AAT asn TTA len len CTT AAA CAT
lys his
/ 21
AAT GGA
asn gly
/ 41
GGT TCT
gly ser
/ 61
TCT CAT
ser his
/ 81
AAA GAG
lys glu
/ 101 asn AAT AAT GGT '
GGT '
AAA AAA AAA AAA AGA arg arg 1 ATG MBET 61 121 121 181 174 16U 241 GAT 301

FIGURE 7A

IJ.

APPLN. FILING DATE: JULY 10, 2001

TITLE PTIDE SEQUENCES SPECIFIC...T LYMPHOCY
INVEN (S): GUERIN-MARCHAND AND DRUILHE
APPLICATION SERIAL NO: 010830-118

SHEET 8

AGA arg 666 gly GAA glu 666 gly AGC ser AAA 1ys TTG leu GAG glu CAA gln TTA leu AAA 1ys CAG gln GCT ala AAG lys GAT asp CAA gln GAA glu CGT arg CAA gln ATT ile TTA leu AGA arg AGC ser GAA glu AAA lys TAT tyr GAA glu AAG lys AAA lys CAA gln GAA glu CAA gln TTA leu GAG glu GCT ala AAA 1ys CAA gln CAA gln GAT asp AAA lys TTG leu CGT arg AAA 1ys AGA arg GAA glu GCT ala AAG lys GAA glu AGC ser GAT asp GAA glu CAA gln CAA gln TTA leu GAG glu GCA ala GAC asp CAA gln AAA lys AAA lys TTG leu CAA gln GAT asp asp GAT **GAA** GAA glu ala ala lys GAA glu AGC ser glu 131 GAT asp 151 151 171 CGT CGT 211 CAA CAA CAA CAA CAA AAT asn (CTT leu / AAA arg / Iys / CAA GAT 391 47A 11e 6AT 6AT 631 631 631 691 691 751 ATA ile GAA glu CAA gln CTT GAA glu CAA gln CAA gln CAC his CAA gln GAA glu AGA arg AAA lys TTG leu CAA gln AGA arg GAA glu TCA ser GAG glu GCT ala AAG lys GAA glu GAT asp CGT arg ATT ile AAC asn CAA gln GAA glu CAA gln 121 171 161 161 161 161 161 161 161 173 174 175 175 AAA AAA 1ys / GAC CAA CAA TTA TTA 1eu / GGCT ala

FIGURE 7B

APPLN. FILING DATE: JULY 10, 2001

TITE PEPTIDE SEQUENCES SPECIFIC...T LYMPHO SES
IN COR(S): GUERIN-MARCHAND AND DRUILH.

APPLICATION SERIAL NO: 010830-118 SHEET 9 of 18

GAT asp CAG gln GAG glu AGC ser CAA CAA gln TTA TTA leu CAA gln GAT asp AGC ser AAG lys GAA glu GAA glu CAA CAA gln CAA AAA lys TTG leu GAA GCT ala AAG lys CTT GAA glu CAA AGA arg AAA 1ys TTG leu 271 GAG GAG 291 201 GCT GCT 311 311 CAA CAA gln / CTT leu / GAA 811 GAA GAA 871 AGA 931 AAA TTA GAT asp GAT CAA gln CGT AGC ser GAA glu AGA arg CAA gln GAG glu TTA 261 CAA gln 281 281 GAT 301 CAA GAA GAA / / / Ser ser GAA 781 CAA 841 841 CAA CAA 81n 901

FIGURE 7C

APPLN. FILING DATE: JULY 10, 2001

TITLE: PTIDE SEQUENCES SPECIFIC...T LYMPHOCYTER
INVENTORS): GUERIN-MARCHAND AND DRUILHE
APPLICATION SERIAL NO: 010830-118 SHEET 10 of 18

NUCLEOTIDE SEQUENCE OF THE LSA GENE 3' END

(CODING 3' END, REPETITIVE)

- 1 CAAGAACAACAAGCGATCTAGAACAAGAGAGACGT
- 37 GCTAAAGAAAAGTTGCAAGAACAACAAAGCGATTTAGAACAAGATAGACTT
- 88 GCTAAAGAAAAGTTACAAGAGCAGCAAAGCGATTTAGAACAAGAGAGACTT
- 139 GCTAAGAAAAGTTGCAAGAACAACAAAGCGATCTAGAACAAGAGAGACGT
- 190 GCTAAAGAAAGTTGCAAGAACAACAAAGCGATTTAGAACAAGAGAGACGT
- 241 GCTAAAGAAAGTTGCAAGAACAACAAGCGATTTAGAACAAGATAGACTT
- 292 GCTAAAGAAAAGTTACAAGAGCAGCAAAGCGATTTAGAACAAGAGAGACGT
- 343 GCTAAAGAAAGTTGCAAGAACAACAAAGCGATTTAGAACAAGAGAGACGT
- 394 GCTAAGAAAGTTGCAAGAACAACAAAGCGATTTAGAACAAGAGAGACTT
- 445 GCTAAAGAAAGTTGCAAGAACAACAAAGCGATTTAGAACAAGAGAGACGT
- 496 GCTAAAGAAAGTTGCAAGAACAACAAAGCGATTTAGAACAAGAGAGACGT
- 547 GCTAAGAAAGTTGCAAGAACAACAAAGCGATTTAGAACAAGAGAGACGT 598 GCTAAAGAAAAGTTGCAAGAGCAGCAAAGAGATTTAGAACAA

(CODING 3' END, UNIQUE)

- 640 AGGAAGGCTGATACGAAAAAAATTTAGAAAGAAAAAAGGAACATGGAGAT
- 691 ATATTAGCAGAGGATTTATATGGTCGTTTAGAAATACCAGCTATAGAACTT
- 742 CCATCAGAAAATGAACGTGGATATTATATACCACATCAATCTTCTTTACCT
- 793 CAGGACAACAGAGGAATAGTAGAGATTCCAAGGAAATATCTATAATAGAA
- 844 AAAACAAATAGAGAATCTATTACAACAAATGTTGAAGGACGAAGGGATATA
- 895 CATAAAGGACATCTTGAAGAAAAGAAAGATGGTTCAATAAAACCAGAACAA
- 946 AAAGAAGATAAATCTGCTGACATACAAAATCATACATTAGAGACAGTAAAT
- 997 ATTTCTGATGTTAATGATTTTCAAATAAGTAAGTATGAGGATGAAATAAGT 1048 GCTGAATATGACGATTCATTAATAGATGAAGAAGAAGATGATGAAGACT
- 1048 GCTGAATATGACGATTCACCAATATCACAAATATCACAACATCAACATCAACAT
- 1099 TAGACGAATTTAAGCCTATTGTGCAATATGACAATTTCCAAGATGAAGAAA
 1150 ACATAGGAATTTATAAAGAACTAGAAGATTTGATAGAGAAAAATGAAAATT
- 1201 TAGATGATTTAGAAGAACTAGAAGATTTGATAGAGAAAATGAAAATT
- 1252 AAAAAATAAAAAAGGAAAGAAATATGAAAAAACAAAGGATAATATTTTA
- 1303 AACCAAATGATAAAAGTTTGTATGATGAGCATATTAAAAAATATAAAAATG
- 1354 ATAAGCAGGTTAATAAGGAAAAGGAAAAATTCATAAAATCATTGTTTCATA
- 1405 TATTTGACGGAGACAATGAAATTTTACAGATCGTGGATGAGTTATCTGAAG
- 1456 ATATAACTAAATATTTTATGAAACTA<u>TAA</u> (stop)

(NON-CODING 3' END)

1485 AAGGTTATATATTT 1498

APPLN. FILING DATE: JULY 10, 2001
TITLE: PETER SEQUENCES SPECIFIC...T LYMPHOCYTES
INVENTOR GUERIN-MARCHAND AND DRUILHE

APPLICATION SERIAL NO: 010830-118

LSA.3'.ALL -> 1-phase Translation

CAAGAACAACAA ... GGTTATATTT b.p. 1496 sednence DNA

GAT asp CGT arg GAA glu CAA gln CAA gln CAA gln AGA arg AAA lys GAA glu GAA glu AGC Ser TTG leu CAA gln CAA gln CTA leu GAG glu GCT ala AAG 1ys GAA CAA gln TT6 leu CAG gln GAT asp leu glu CTT AAA lys GAA glu AGA arg AAG lys AGC ser GAG glu GAA CAA gln GAT asp glu TTA leu GCT CAA gln ala AAA GAT asp CAA gln CGT CAA gln lys TTA leu AGC ser AGA arg GAA glu GAA glu **ECT** ala AAG lys GAG glu CAA GAA glu CGT arg CAA gln TTA len TTG leu AGA AAA 1ys CAA gln CAA GAT arg asp gln ser GAG GAA glu AGC GAA nlg AAG 1ys GCT ala glu leu 51 GAA GAA 71 CAA 81n 91 111 AGA AGA AAA Iys / TTG leu / CAA GAT 31 CTA leu 91 GAT asp 151 6CT 6CT 211 211 1ys 271 6AA 6AA 81u 331 asp CAA gln GAA glu CAA gln CAA GAT len AGC ser AGA arg AAA lys GAA glu TTG leu CAG gln CAA gln GAG glu TTA leu GCT ala GAG glu AAG lys

FIGURE 9A

																	-						
	CAA	gln)	TTA	leu		GAG	glu)	CCT 6	ala		AAA	1 \ S	•	TTA	leu		CAA	gln)	ATA	ile
	CAA	gln)	GAT	asp	•	CAA	gln)	CGT	arg)	AAA	lvs	`	CGT	arg)	CAT	his		ATA	ile
	GAA	glu)	AGC	ser		GAA	glu)	AGA	arg)	ACG	thr		GGT	gly)	CCA	pro	•	TCT	ser
	CAA	gln		CAA	gln		TTA	leu		GAG	glu)	GAT	asp	•	TAT	tyr	,	ATA	ile		ATA	ile
	TTG	leu		CAA	gln)	GAT	asp	•	CAA	gln)	GCT	ala		TTA	leu		TAT	tyr	,	GAA	glu
	AAG	lys	•	GAA	glu)	AGC	ser	•	GAA	glu)	AAG	lys	•	GAT	asp	•	TAT	tyr)	AAG	lys
	GAA	glu	1	CAA	gln)	CAA	gln)	TTA	len	_	AGG	arg)	GAG	glu)	GGA	gly	ı 1	JCC	
	AAA	lys		TTG	leu		CAA	gln)	GAT			CAA	gln)	GCA	ala		CGT	arg	ı	GAT	asb
	CCT 6	ala	-	AAG	lys	1	GAA	glu	ı	AGC	ser		GAA	glu	•	TTA	len		GAA	glu		AGA	arg
	CGT			GAA	glu	١.	CAA	gln		CAA	gln		TTA	leu		ATA	ile		AAT	asn		AGT	ser
	AGA	arg		AAA	lys	•	TTG	len		CAA	gln		GAT	asp		GAT	asp		GAA	glu		AAT	asn
131	GAG	glu	151	GCT	ala	171	AAG	lys	191	GAA	glu	211	AGA	arg	231	GGA	gly	251	TCA	ser	271	999	gly
\	CAA	gln	\	CTT	len	_	GAA	glu	\	CAA	gln	_	CAA	gln	_	CAT	his	\	CCA	pro	\	AGA	arg
391	GAA	gln	451	AGA	arg	511	AAA	lys	571	TT6	len	631	CAG	gln	691	GAA	glu	751	CT	len	811	AAC	asn
	TTA	len		GAG	glu		GCT	ala		AAG	lys		GAG	glu		AAG	lys		GAA	glu		GAC	asb
	GAT	asp		CAA	gln		CGT	arg		GAA	glu		CAA	gln		AAA	lys		ATA	ile		CAG	gln
	AGC	ser		GAA	glu		AGA	arg		AAA	lys		TTG	len		AGA	arg		CCT	ala		CCT	pro
121	CAA	gln	141	TTA	len	161	GAG	glu	31	CCT	ala	201	AAG	lys	221	GAA	glu	241	CCA	pro	261	TTA	len
_	CAA	gln	_	GAT	asp	\	CAA	glu	/18	CGT	arg	_	GAA	glu	_	TTA	len	_	ATA	ile	_	TCT	ser
361	GAA	glu	421	AGC	ser	481	GAA	glu	541	AGA	arg	601	AAA	lys	661	AAT	asn	721	GAA	glu	781	TCT	ser

FIGURE 9B

APPLN. FILE'S DATE: JULY 10, 2001

TITLE: PHESE E SEQUENCES SPECIFIC...T LYMPHOCYTES

INVENTOR(S): GUERIN-MARCHAND AND DRUILHE

APPLICATION SERIAL NO: 010830-118 SHEET 13 of 18

CAA gln TTA leu AAA lys TCT GAA glu GAT asp AAA lys ATA ile CAT his GAA glu CAA gln AAT AAA lys TTT phe ATA ile GAT asp AAA lys GAA glu GAT asp GAT asp TTC phe CGA AGG GAT / arg arg asp · AAA AAT lys asn AAT GAA glu ATA ile GAA glu AAT asn GAC asp TTA AAA 1ys GTT val GAA glu TCA GAT asp CAA gln TAT tyr GAG glu TCT ser GAT asp GGA gly TTA ATA ile CAA gln GAA glu TCT GAC GAA glu CCA pro ATT ile GTG val TTG leu GAA glu GAT asp AAT asn AAA 1ys GAA glu TAT ATT ile val AAT GAA glu TCA ATA ile GTA val CCT pro asn GAA glu 291
ACA ACA
thr thr
311
GGT TCA
gly ser
331
GAG ACA
glu thr
351
AGT GCT
ser ala
371
TTT AAG
phe lys
391
GAA CTA
glu leu ACA thr TCA ser AAA 1 ATA ile / GAA glu GAA glu AAA TTA lys/ 871 TCT , ser 931 AAA , 1195 991 1051 GAA , glu asp 1171 TAT tyr 1231 TTA ATT ile **GGA** GAA glu AAG lys CAT his GAT asp AGA arg GAA glu AAT asn GAG glu GAC asp GGA gly GAA glu leu glu 321 ATA CAA ile gln 341 AAG TAT lys tyr 361 GAT GAA asp glu AAT ATA ile asn GAA glu GAT asp asn 401 asp 381 AAC GAA his / GAC asp AGT ser asp GAT GAT asp 1021 ATA / ile : 1081 GAA (

FIGURE 9C

APPLN. FILING DATE: JULY 10, 2001
TITLE PEPTIDE SEQUENCES SPECIFIC...T LYMPHOCYTES
INVENTED R(S): GUERIN-MARCHAND AND DRUILHE
APPLICATION SERIAL NO: 010830-118
SHEET 14-01 18

TTG leu GAT asp AAA lys GAA glu AGT ser GTG AAA lys AAG 1ys ATC ile TAT CCA AAT GAT A pro asn asp 1 GAA g CAG glu ATA ile AAG 1ys TTA GTT val AAG 1ys AAT asn ATT ile GAA glu AAA 1ys TAA OCH GTT val AAT CTA CAG gln phe GAC AAA 1ys AAT AAG lys asn 431 AAG GAT AAT A GAT asp ATG GGA gly asn lys asp 451 lys asn 471 _ GAC asb AAA AAT phe phe 491 TAT GAA glu AAA phe lys ATT ile TTG leu TAT tyr GAT asp 421 AAG AAA 1ys lys 441 GAG CAT glu his 461 AAA TCA 1ys ser 481 GAA asp GAT 1381 TTC

FIGURE 9D

APPLN. FILING DATE: JULY 10, 2001
TITLE: PERSON SEQUENCES SPECIFIC...T LYMPHOCYTES
INVENTOR GUERIN-MARCHAND AND DRUILHE
APPLICATION SERIAL NO: 010830-118 SHEET 15 of

CAAGAACAACAA ... ATGAAACTATAA linear 1-phase Translation b.p. 1482 LSN.3'STOP -> DNA sequence

GAA gln CGT CAA asp CAA gln GAA glu GAT GAA glu AAA 1ys AGC ser GAA glu AGA arg TTG leu AAG lys CAA gln CAA gln CTA leu GAG glu GCT AAA GAA , lys glu GAT asp CAA gln CAG gln TTG leu CTT leu AAG 1ys TTA GAA CAA GAT AGA leu glu gln asp arg AGC ser GAG glu GAA glu AAA GAA / CAA gln CAA gln TTA GAA CAA GAG AGA CGT GCT glu glu glu arg arg ala CAA gln GAT asp TTA CAA AGC gln ser AAG lys GAA glu GAG AGA CGT GCT glu arg arg ala AAA GAA A lys glu 1 CAA gln CAA gln TTG leu GAT asp AAG lys GCT ala GAA glu AGC ser AGA CTT arg leu / 51 AAA GAA , 71 TTG CAA (AA) 91 CAA CAA , 91 CAA (GAT TTA) 111 GAT TTA (asp leu gan asp leu g GAA CAA (glu glu gl 31 CTA leu 91 91 151 6AT 6CT 173 271 6AA 6AA ser GAT asp GAA CÁA glu gln AAA GAA lys glu CAA gln CAA gln CTT AGC ser TTG AGA arg CAG gln CAA TTA GCT ala AAG 1ys GAG glu GAG glu 1 4 GAA CAA ' glu gln
/ 21
AGC GAT
ser asp
/ 41
GAA CAA
glu gln
/ 61
AGA CGT
arg arg
/ 81
AAA GAA
lys glu
/ 101
TTA CAA gln 61 CAA CAA 121 121 181 6AG 6CT 6CT 301 1ys

FIGURE 10A

DE SEQUENCES SPECIFIC...T LYMPHOCYTES

GUERIN-MARCHAND AND DRUILHE

APPLICATION SERIAL NO: 010830-118

TTA GAG glu GCT ala AAA lys TTA leu CAA gln GAT asp CGT AAA lys CGT arg CAA gln CAA gln CAT his GAA glu AGA arg ACG thr CCA pro TCT AGC ser GAA glu GGT gly ATA ile CAA gln CAA gln TTA leu GAG glu GAT asp TAT tyr ATA ile GAT asp CAA gln GAA glu CAA gln GCT ala TTA leu TTG leu TAT tyr AAG lys GAA glu AGC ser GAA glu AAG 1ys GAT asp AAG 1ys TAT tyr GAA glu CAA gln AGG arg CAA gln TTA leu GAG glu GGA gly TCC ser AAA lys TTG leu CAA gln GAT asp CAA gln GCA ala CGT arg GAT asp AAG 1ys TTA leu AGA arg GAA glu AGC ser GAA glu GAA glu GCT CGT arg ATA ile AGT ser GAA glu CAA gln CAA gln AAT asn TTA leu GAT asp GAA glu AAT asn CAA gln GAT asp AAA lys TTG leu GAG glu GAA glu GAC asp GCT ala GAG glu AAG 1ys TTA leu AAG lys asp AAA 1ys ATA ile CGT arg GAA glu CAA gln GAT CAA gln CAG gln AGA arg ser GAA glu AGA arg AAA 1ys TTG leu GCT ala CCT 121 CAA CAA 141 141 141 161 161 161 174 CCA CCA 174 161 CAA CAA GAT asp asp / CGT arg glu / GAA GAA ile ile 361 6AA 621 421 421 421 6AA 661 661 661 6AA 661 721 721 721 721

[_b

APPLN. FILING DATE: JULY 10, 2001
TITLE: TIDE SEQUENCES SPECIFIC...T LYMPHOCYTES
INVENT: GUERIN-MARCHAND AND DRUILHE
APPLICATION SERIAL NO: 010830-118 SHEET 17 of 18

GAT asp TCT CAA GAA glu TTA AAA 1ys TTG leu GAA glu CAA gln ATA ile CAT his phe asn AAA 1ys AAT ser GAA glu AAA AAA asp asp asp GAT GAT TTC phe lys lys GAT asp. ATA ile GAA glu GAT GAA glu AAT GAT asn asn asp. AAT asn AAT AAA AAT AGG arg AAA lys TTA GAC asb GAA glu asn lys GTT val GAG glu CGA CAA gln asp ser CCA arg TCA TAT tyr GAT TCT ser pro **GGA** GAT asp CAA gln ATA ile gly GAA glu TCT TTA AAA lys GAA glu glu CCA pro GAC asp ATT ile GAA GTG val **TTG** len phe AAA lys GAT asp AAT asn GAA glu TAT asn ATT ile val AAT GTT asn CCT AAT ATA ile GTA GAA glu GAA glu TCA AAT asn ser gly ser 331 GAG ACA glu thr 351 AGT GCT ser ala 371 lys CTA leu ser asb AAA TCA 9he 391 391 GAA (GAA AAA len GAA asp ATT ile TTA GGA gly GAA lys CAT his GAT GAC asp GAA glu asn GGA gly GAG glu GAA. glu AAT TAT ATA ile CAA gln GAA glu GAA glu TAT tyr GAT leu 3321 ATA (ile 341 AAG 341 GAT (GAT (asp 381) asn 401 TTA GAA asp . GAT asp / AGT ser / GAT 841 GAA 901 6GA 6GCT 961 4TA 11021 1081 GAA GAA

FIGURE 10C

APPLN. FILING DATE: JULY 10, 2001

TITLE: PEOPLE SEQUENCES SPECIFIC...T LYMPHOCYTES
INVENTOR GUERIN-MARCHAND AND DRUILHE
APPLICATION SERIAL NO: 010830-118 SHEET 18 of 18

GAT asp AAA lys GAA glu GTG val AAG lys ATC ile TAT tyr CAG glu GAA glu ATA ile AAG lys TTA GTT val AAT asn AAG 1ys ATT ile TAA OCH GTT val GAA glu CAG gln AAT asn CTA GAC asp AAG lys AAA lys GAT asp GGA gly asb GAC phe GAT asp len 441 GAG CAT glu his 461 AAA TCA lys ser 481 TCT GAA GAA glu 1321 / TAT GAT tyr asp 1381 / TTC ATA phe 1441 GAG

-IGURE 10D